

FVC-INS40(Viscocare INS40F)

CHARACTER

- Is a flowable emulsion-type consisting of Acryl polymer, isohexadecane and Polysorbate 60.
- Improves emulsion stability of cosmetics & resistance to electrolytes
- Sensory of FVC-INS40 is rapidly absorbed by the skin, fresh, light, non-tacky touch.
- FVC-INS40 increases viscosity over a wide range of pH and has stability.

APPLICATION

- Care (Face, Body, Sun, Hair, Baby)
- Self-tanning
- Make-up
- Personal care

COMPOSITION

- Classification : Synthetic polymer
- INCI Name :
Hydroxyethyl acrylate / Sodium acryloyldimethyltaurate copolymer & Isohexadecane & Polysorbate 60
- CAS No. :
111286-86-3 / 4390-04-09 / 9005-67-8
- EINECS No. :
601-067-4 / 224-506-8 / 500-020-4
- CHINA : listed in IECIC

SPECIFICATION

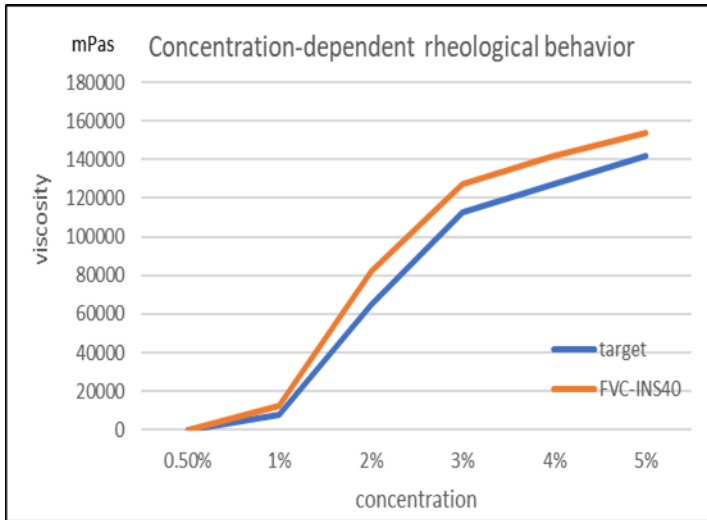
No	Inspection	Unit	Specification
1	Appearance	-	Fluid emulsion
2	3% pH		5.0 ~ 7.0
3	3% Viscosity	mPa.s	90,000 ~ 130,000
4	Direct Viscosity	mPa.s	1,000 ~ 5,000
5	0.1%Salt Viscosity(3%)	mPa.s	4,000 ~ 12,000

Typical Characteristics

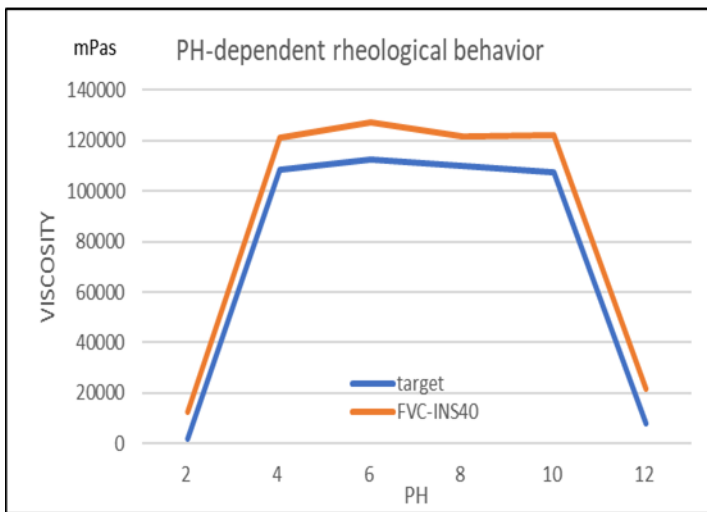
- Is very easy to use, just add to your formulation after mixing oil and water phases to enhance stability and modify rheology.
- Is convenient emulsifier, rheology modifier, thickener, and acting as a stabilizer.
- Add at all stages of the process, even cold & hot process is possible, and no need for neutralization.
- Self-emulsifying and emulsifying up to 40% of oil.
- Is possible to increase the viscosity in the pH range of 3-10, and it has excellent resistance to electrolyte and thickening power.
- Sensory profile :
- Rich, silky texture, - Rapidly absorbed by the skin,
- light, fresh, non-tacky touch.
- Packaging unit : 20KG/ PE drum
- Self life: 3 years (as unopened)
- Proper storage temperature: Indoor storage below 35°C without direct sunlight
- Please refer to the COA and MSDS for more details

The information contained herein is for informational purposes only and is provided for informational purposes only, on the express condition that users make their own assessments of appropriate use. Please refer to the COA provided with the product for exact data

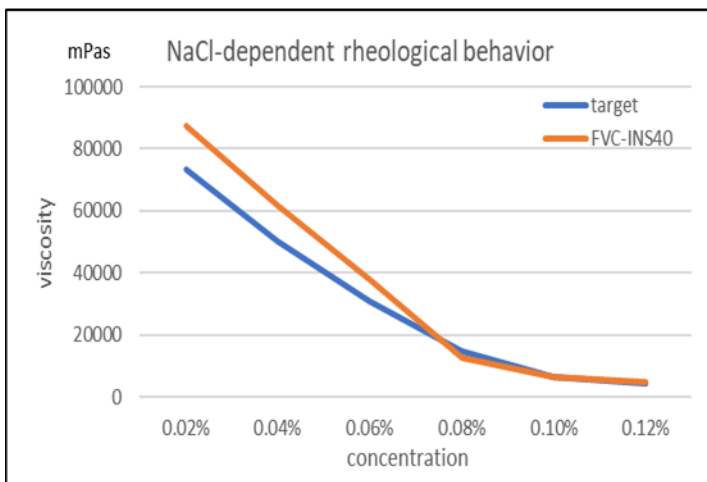
Thickening Effect FVC-INS40



- Concentration 0.5 – 5.0 %
- RVT Viscometer
- The FVC-INS40 viscosity profile is very similar to the benchmark one



- For test of viscosity variation as pH
- 3% FVC-INS40 solution(in Water)
 - Add Lactic acid or 10% NaOH solution and measure the viscosity.
 - Maintain from pH 3.0 to 10 of high viscosity



- Effect of Salt (NaCl) on the viscosity of FVC-INS40
- For testing resistance on electrolytes
 - Add various weight of NaCl to 3% FVC-INS40 solution(in water) and measure the viscosity.
 - Decreasing trend of viscosity is similar to the benchmark one